

**From:** "DeWald, Lynn" <ldewald@entergy.com>  
**To:** <rle@nrc.gov>, <david.s.miller@anl.gov>  
**Date:** 10/03/2006 6:11:22 PM  
**Subject:** Current air cert and fishway temperature table from 2003 annual report

Here you go, hope these help move your week along. Lynn

**CC:** "BUCKLEY, RICKY N" <RBUCKLE@entergy.com>

**Mail Envelope Properties** (4522E003.265 : 21 : 53861)

**Subject:** Current air cert and fishway temperature table from 2003 annual report  
**Creation Date** 10/03/2006 6:10:21 PM  
**From:** "DeWald, Lynn" <[ldewald@entergy.com](mailto:ldewald@entergy.com)>

**Created By:** [ldewald@entergy.com](mailto:ldewald@entergy.com)

**Recipients**

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 RLE (Richard Emch)

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| MESSAGE  | 58      | 10/03/2006 6:10:21 PM |
| TEXT.htm   | 1145    |                       |
| Table 3-5 Hourly and Daily avg temps at Vernon Dam Fishway during 2003.xls | 39936   |                       |
| 2006 certificate of registration.pdf                                       | 754885  |                       |
| Mime.822   | 1092167 |                       |

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**Table 3-5. Hourly and Daily Average Temperature at the Vernon Dam Fishway During 2003.**

| Day                  | 22-May      | 23-May      | 24-May      | 25-May      | 26-May      | 27-May      | 28-May      | 29-May      |
|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Hour</b>          |             |             |             |             |             |             |             |             |
| 0                    |             | 59.85       | 60.04       | 60.19       | 57.79       | 57.47       | 60.35       | 58.84       |
| 1                    |             | 59.97       | 60.27       | 60.22       | 57.68       | 57.54       | 60.85       | 58.86       |
| 2                    |             | 60.12       | 60.21       | 60.35       | 57.63       | 57.59       | 60.25       | 58.90       |
| 3                    |             | 60.15       | 60.04       | 60.08       | 57.12       | 57.65       | 59.65       | 58.66       |
| 4                    |             | 60.27       | 60.30       | 60.16       | 56.94       | 58.22       | 59.48       | 58.63       |
| 5                    |             | 60.15       | 60.30       | 60.15       | 56.95       | 58.16       | 59.35       | 58.81       |
| 6                    |             | 59.69       | 59.86       | 59.76       | 57.40       | 58.12       | 59.80       | 60.73       |
| 7                    |             | 59.67       | 59.41       | 59.41       | 58.90       | 58.32       | 59.06       | 61.37       |
| 8                    |             | 59.78       | 59.41       | 58.98       | 58.64       | 58.38       | 58.94       | 61.94       |
| 9                    |             | 60.03       | 59.83       | 59.13       | 58.95       | 58.42       | 58.84       | 62.32       |
| 10                   | 60.32       | 60.57       | 59.94       | 59.13       | 58.59       | 58.39       | 58.94       | 62.81       |
| 11                   | 60.69       | 60.66       | 60.12       | 59.14       | 58.21       | 59.41       | 59.05       | 63.20       |
| 12                   | 60.24       | 61.16       | 60.26       | 59.38       | 58.00       | 60.14       | 59.06       | 62.34       |
| 13                   | 60.29       | 61.01       | 60.38       | 59.37       | 57.83       | 60.66       | 59.11       | 62.58       |
| 14                   | 60.60       | 61.19       | 60.59       | 59.01       | 57.70       | 59.28       | 58.98       | 62.28       |
| 15                   | 60.64       | 61.32       | 60.93       | 59.12       | 57.51       | 59.57       | 58.84       | 62.00       |
| 16                   | 60.03       | 61.13       | 60.79       | 59.04       | 57.35       | 59.42       | 58.67       | 62.18       |
| 17                   | 59.39       | 60.85       | 60.60       | 58.76       | 57.26       | 58.97       | 58.52       | 61.88       |
| 18                   | 59.63       | 60.33       | 60.65       | 58.21       | 57.22       | 58.63       | 58.46       | 61.64       |
| 19                   | 59.80       | 60.30       | 60.64       | 58.09       | 57.25       | 58.42       | 58.63       | 61.54       |
| 20                   | 59.97       | 59.96       | 60.45       | 57.98       | 57.34       | 58.48       | 59.30       | 61.57       |
| 21                   | 59.80       | 60.25       | 60.29       | 57.84       | 57.35       | 58.59       | 58.57       | 61.44       |
| 22                   | 59.67       | 60.19       | 60.33       | 57.96       | 57.36       | 59.25       | 58.52       | 61.34       |
| 23                   | 60.16       | 59.96       | 60.44       | 57.91       | 57.43       | 60.21       | 58.65       | 60.75       |
| <i>Daily Average</i> | <i>60.1</i> | <i>60.4</i> | <i>60.3</i> | <i>59.1</i> | <i>57.7</i> | <i>58.7</i> | <i>59.2</i> | <i>61.1</i> |

**Table 3-5 continued. Hourly and Daily Average Temperature at the Vernon Dam Fishway During 2**

| Day         | 03-Jun | 04-Jun | 05-Jun | 06-Jun | 07-Jun | 08-Jun | 09-Jun | 10-Jun |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Hour</b> |        |        |        |        |        |        |        |        |
| 0           | 62.27  | 62.61  | 62.47  | 64.14  | 64.37  | 65.41  | 64.97  | 65.00  |
| 1           | 62.70  | 62.50  | 62.52  | 63.87  | 64.48  | 65.10  | 64.92  | 64.86  |
| 2           | 62.64  | 61.95  | 62.55  | 64.13  | 64.49  | 64.49  | 65.02  | 64.86  |
| 3           | 62.60  | 60.67  | 62.98  | 64.29  | 64.53  | 63.49  | 65.10  | 64.95  |
| 4           | 62.39  | 60.47  | 62.96  | 64.34  | 64.45  | 63.02  | 65.39  | 65.31  |
| 5           | 62.80  | 62.32  | 62.92  | 64.19  | 64.50  | 64.47  | 65.66  | 65.66  |
| 6           | 63.45  | 62.81  | 63.59  | 64.34  | 64.70  | 65.50  | 65.95  | 65.46  |
| 7           | 63.32  | 62.79  | 63.75  | 65.12  | 64.74  | 66.22  | 66.75  | 66.04  |
| 8           | 63.35  | 63.09  | 63.76  | 65.26  | 64.94  | 66.29  | 66.91  | 66.71  |
| 9           | 63.73  | 63.32  | 63.94  | 65.26  | 65.11  | 66.77  | 66.30  | 66.78  |
| 10          | 64.46  | 63.60  | 63.93  | 65.33  | 65.03  | 67.48  | 66.39  | 67.03  |

|                      |             |             |             |             |             |             |             |             |
|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 11                   | 64.44       | 63.99       | 64.75       | 65.08       | 65.18       | 67.55       | 67.17       | 67.05       |
| 12                   | 65.07       | 63.80       | 65.05       | 65.03       | 65.41       | 66.75       | 66.53       | 67.12       |
| 13                   | 64.58       | 64.02       | 65.12       | 65.03       | 65.46       | 66.43       | 66.82       | 67.30       |
| 14                   | 65.17       | 64.08       | 65.24       | 64.85       | 65.54       | 66.18       | 66.62       | 67.21       |
| 15                   | 64.35       | 64.37       | 65.40       | 64.84       | 65.74       | 66.05       | 66.90       | 67.24       |
| 16                   | 63.75       | 63.95       | 65.38       | 64.91       | 65.76       | 65.84       | 66.59       | 67.20       |
| 17                   | 63.45       | 63.61       | 65.28       | 64.76       | 65.50       | 65.84       | 66.36       | 67.24       |
| 18                   | 63.47       | 63.62       | 65.23       | 64.59       | 65.37       | 65.70       | 66.34       | 66.95       |
| 19                   | 63.19       | 63.49       | 65.17       | 64.39       | 65.41       | 65.44       | 66.11       | 66.66       |
| 20                   | 62.99       | 63.05       | 65.23       | 64.33       | 65.47       | 65.61       | 65.97       | 66.51       |
| 21                   | 62.88       | 62.27       | 64.73       | 64.41       | 65.05       | 65.58       | 65.70       | 66.11       |
| 22                   | 62.88       | 61.95       | 64.67       | 64.36       | 65.18       | 65.07       | 65.43       | 65.84       |
| 23                   | 62.91       | 61.72       | 64.52       | 64.30       | 65.38       | 64.97       | 65.12       | 65.75       |
| <i>Daily Average</i> | <i>63.5</i> | <i>62.9</i> | <i>64.2</i> | <i>64.6</i> | <i>65.1</i> | <i>65.6</i> | <i>66.0</i> | <i>66.3</i> |

Table 3-5 continued. Hourly and Daily Average Temperature at the Vernon Dam Fishway During 20

| Day                  | 15-Jun       | 16-Jun       | 17-Jun       | 18-Jun       | 19-Jun       | 20-Jun       | 21-Jun       | 22-Jun       |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Hour                 |              |              |              |              |              |              |              |              |
| 0                    | 66.53        | 68.67        | 68.58        | 68.11        | 69.44        | 68.34        | 68.37        | 68.02        |
| 1                    | 66.04        | 68.58        | 68.53        | 68.16        | 69.38        | 68.12        | 68.24        | 68.11        |
| 2                    | 65.92        | 68.32        | 68.52        | 67.82        | 69.11        | 67.72        | 68.20        | 68.12        |
| 3                    | 65.99        | 68.12        | 68.50        | 67.56        | 68.79        | 67.97        | 68.21        | 68.35        |
| 4                    | 67.45        | 68.03        | 68.45        | 67.55        | 68.19        | 68.81        | 68.43        | 68.91        |
| 5                    | 67.90        | 68.27        | 68.40        | 68.25        | 68.00        | 69.23        | 68.53        | 69.76        |
| 6                    | 68.33        | 68.87        | 68.33        | 68.88        | 68.47        | 69.28        | 68.13        | 70.34        |
| 7                    | 68.79        | 69.43        | 68.54        | 69.39        | 68.40        | 69.53        | 68.82        | 71.09        |
| 8                    | 68.89        | 69.60        | 68.49        | 69.22        | 68.43        | 69.62        | 69.65        | 70.73        |
| 9                    | 69.02        | 69.63        | 68.38        | 70.09        | 68.86        | 69.86        | 69.60        | 70.92        |
| 10                   | 69.59        | 69.34        | 68.66        | 70.71        | 69.02        | 70.04        | 69.29        | 71.45        |
| 11                   | 69.49        | 68.94        | 68.87        | 70.13        | 68.89        | 69.85        | 69.17        | 71.22        |
| 12                   | 69.55        | 68.59        | 68.74        | 70.32        | 69.16        | 69.74        | 69.46        | 71.40        |
| 13                   | 69.56        | 68.24        | 68.36        | 70.82        | 69.14        | 69.53        | 69.66        | 71.31        |
| 14                   | 69.54        | 68.00        | 68.18        | 70.93        | 69.29        | 69.55        | 69.81        | 71.01        |
| 15                   | 69.29        | 68.15        | 68.16        | 70.54        | 69.12        | 69.39        | 69.69        | 70.79        |
| 16                   | 69.01        | 68.44        | 68.36        | 70.06        | 69.08        | 69.34        | 69.54        | 70.73        |
| 17                   | 68.92        | 68.87        | 68.50        | 69.87        | 68.79        | 69.59        | 69.47        | 70.62        |
| 18                   | 69.01        | 68.92        | 68.52        | 70.24        | 68.74        | 69.25        | 69.31        | 70.27        |
| 19                   | 68.86        | 68.96        | 68.93        | 70.03        | 68.80        | 68.85        | 69.14        | 70.02        |
| 20                   | 69.09        | 68.94        | 70.76        | 70.02        | 68.63        | 68.56        | 68.85        | 70.02        |
| 21                   | 69.06        | 68.78        | 69.69        | 69.87        | 68.00        | 68.48        | 68.35        | 70.09        |
| 22                   | 69.12        | 68.63        | 69.17        | 69.65        | 67.72        | 68.48        | 68.09        | 70.03        |
| 23                   | 68.91        | 68.26        | 68.68        | 69.47        | 67.97        | 68.45        | 67.95        | 70.03        |
| <i>Daily Average</i> | <i>68.49</i> | <i>68.69</i> | <i>68.68</i> | <i>69.49</i> | <i>68.73</i> | <i>69.07</i> | <i>68.91</i> | <i>70.14</i> |

**Table 3-5 continued. Hourly and Daily Average Temperature at the Vernon Dam Fishway During 20**

| Day                  | 27-Jun       | 28-Jun       | 29-Jun       | 30-Jun       |
|----------------------|--------------|--------------|--------------|--------------|
| <b>Hour</b>          |              |              |              |              |
| 0                    | 75.64        | 77.44        | 76.94        | 77.00        |
| 1                    | 75.64        | 77.18        | 76.51        | 77.10        |
| 2                    | 75.71        | 77.30        | 76.49        | 77.28        |
| 3                    | 75.91        | 77.50        | 76.71        | 77.66        |
| 4                    | 76.06        | 77.80        | 77.09        | 77.87        |
| 5                    | 76.15        | 78.17        | 77.83        | 78.07        |
| 6                    | 76.69        | 77.89        | 78.64        | 77.97        |
| 7                    | 77.13        | 77.40        | 78.14        | 78.05        |
| 8                    | 77.46        | 77.26        | 78.87        | 78.06        |
| 9                    | 77.74        | 77.22        | 78.83        | 78.43        |
| 10                   | 78.14        | 77.09        | 79.00        | 79.08        |
| 11                   | 78.38        | 76.90        | 78.98        | 79.92        |
| 12                   | 78.38        | 76.78        | 78.49        | 79.08        |
| 13                   | 78.99        | 77.42        | 78.22        | 79.30        |
| 14                   | 78.91        | 77.34        | 77.89        | 79.46        |
| 15                   | 78.76        | 77.20        | 77.82        | 79.34        |
| 16                   | 78.41        | 77.24        | 77.75        | 79.35        |
| 17                   | 78.05        | 77.37        | 77.67        | 78.98        |
| 18                   | 77.93        | 77.39        | 77.55        | 78.45        |
| 19                   | 77.89        | 77.34        | 77.39        | 78.13        |
| 20                   | 77.73        | 77.33        | 77.32        |              |
| 21                   | 77.57        | 77.22        | 77.20        |              |
| 22                   | 77.46        | 77.25        | 77.09        |              |
| 23                   | 77.45        | 77.25        | 77.04        |              |
| <b>Daily Average</b> | <b>77.42</b> | <b>77.35</b> | <b>77.73</b> | <b>78.43</b> |

| 30-May | 31-May | 01-Jun | 02-Jun |
|--------|--------|--------|--------|
| 60.71  | 62.02  | 60.05  | 60.49  |
| 60.68  | 62.15  | 60.00  | 60.44  |
| 60.84  | 62.18  | 59.94  | 60.44  |
| 61.06  | 62.26  | 59.70  | 60.46  |
| 61.35  | 62.11  | 59.68  | 61.06  |
| 61.46  | 61.44  | 60.02  | 61.43  |
| 62.08  | 61.24  | 60.47  | 61.80  |
| 62.48  | 61.40  | 61.59  | 62.39  |
| 63.05  | 61.65  | 61.03  | 62.82  |
| 63.21  | 61.42  | 61.22  | 63.47  |
| 63.11  | 61.51  | 61.31  | 63.35  |
| 63.69  | 61.30  | 61.92  | 63.22  |
| 63.82  | 61.23  | 62.13  | 63.37  |
| 63.17  | 61.35  | 61.65  | 63.00  |
| 62.70  | 61.25  | 61.03  | 63.33  |
| 62.31  | 61.31  | 61.15  | 63.68  |
| 62.05  | 60.81  | 60.98  | 63.47  |
| 62.09  | 60.87  | 60.67  | 63.41  |
| 62.07  | 60.48  | 60.51  | 63.42  |
| 61.94  | 60.48  | 60.43  | 63.40  |
| 61.79  | 60.61  | 60.43  | 62.96  |
| 61.94  | 60.33  | 60.42  | 62.78  |
| 62.29  | 60.19  | 60.53  | 62.69  |
| 62.06  | 60.09  | 60.53  | 62.57  |
| 62.2   | 61.2   | 60.7   | 62.5   |

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| 11-Jun | 12-Jun | 13-Jun | 14-Jun |
|--------|--------|--------|--------|
| 65.76  | 67.58  | 66.12  | 67.08  |
| 65.74  | 67.40  | 65.87  | 66.91  |
| 66.06  | 67.52  | 66.64  | 67.31  |
| 66.90  | 67.21  | 66.89  | 66.83  |
| 66.14  | 66.79  | 66.63  | 67.66  |
| 65.67  | 66.82  | 67.13  | 68.27  |
| 65.57  | 67.14  | 67.71  | 67.92  |
| 66.33  | 67.09  | 68.07  | 68.05  |
| 67.25  | 67.65  | 68.39  | 68.37  |
| 67.90  | 67.81  | 68.04  | 68.88  |
| 68.44  | 67.59  | 68.01  | 68.87  |

|       |       |       |       |
|-------|-------|-------|-------|
| 68.99 | 67.52 | 68.15 | 68.73 |
| 68.88 | 67.38 | 68.20 | 68.65 |
| 68.84 | 67.44 | 68.18 | 67.73 |
| 68.70 | 67.41 | 68.08 | 66.82 |
| 68.68 | 67.28 | 68.20 | 66.61 |
| 68.08 | 67.22 | 68.15 | 66.63 |
| 67.77 | 67.04 | 68.00 | 66.57 |
| 67.81 | 67.21 | 67.95 | 66.58 |
| 67.67 | 67.18 | 68.09 | 66.52 |
| 67.28 | 66.99 | 67.92 | 66.51 |
| 66.79 | 66.95 | 67.97 | 66.51 |
| 67.19 | 66.71 | 67.89 | 67.01 |
| 67.60 | 66.42 | 67.63 | 66.88 |
| 67.3  | 67.2  | 67.7  | 67.4  |

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| 23-Jun | 24-Jun | 25-Jun | 26-Jun |
|--------|--------|--------|--------|
| 70.18  | 72.42  | 74.17  | 76.54  |
| 70.11  | 73.42  | 73.29  | 75.24  |
| 70.01  | 73.57  | 72.84  | 75.31  |
| 70.19  | 73.22  | 73.32  | 75.48  |
| 70.49  | 72.90  | 75.61  | 77.53  |
| 71.67  | 73.18  | 76.24  | 78.81  |
| 72.01  | 74.26  | 76.03  | 79.18  |
| 72.24  | 75.25  | 75.89  | 79.02  |
| 73.42  | 75.06  | 76.60  | 77.88  |
| 73.72  | 74.44  | 77.80  | 78.04  |
| 73.11  | 74.14  | 78.94  | 79.69  |
| 72.50  | 74.45  | 77.93  | 80.91  |
| 72.45  | 74.55  | 77.40  | 80.24  |
| 72.40  | 76.55  | 76.83  | 79.51  |
| 72.49  | 77.23  | 76.53  | 78.20  |
| 72.61  | 76.74  | 76.45  | 76.97  |
| 72.48  | 75.89  | 76.21  | 76.79  |
| 72.27  | 75.10  | 76.24  | 76.75  |
| 71.75  | 74.73  | 75.66  | 76.45  |
| 71.51  | 74.70  | 75.54  | 76.15  |
| 71.54  | 74.55  | 76.12  | 75.87  |
| 71.78  | 74.62  | 75.77  | 75.96  |
| 72.39  | 74.40  | 75.71  | 75.96  |
| 72.50  | 74.26  | 76.20  | 75.72  |
| 71.91  | 74.57  | 75.97  | 77.43  |

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State of Vermont

AGENCY OF NATURAL RESOURCES  
Department of Environmental Conservation

Department of Fish and Wildlife  
Department of Forests, Parks, and Recreation  
Department of Environmental Conservation  
State Geologist  
RELAY SERVICES FOR THE HEARING IMPAIRED  
1-800-253-0191 TDD>Voice  
1-800-253-0195 Voice>TDD

Air Pollution Control Division  
Building 3 South  
103 South Main Street  
Waterbury, VT 05671-0402  
802-241-3840  
FAX: 802-241-2590

Received

APR 4 2006

By Lynn Dewald

March 28, 2006

LYNN DEWALD  
ENERGY NUCLEAR NORTHEAST (VERMONT YANKEE)  
PO BOX 157  
322 GOVER HUNT RD  
VERNON, VT 05354

RE: Registration Fee Payment and Certificate of Registration

Dear LYNN DEWALD:

Thank you for your payment of \$1,764.88 (Check# 4947599) for the registration fee due for ENERGY NUCLEAR NORTHEAST (VERMONT YANKEE).

The Certificate of Registration valid for the period July 1, 2006 through June 30, 2007 is enclosed.

As a reminder for next year, please submit the required data for calendar year 2006 by February 1, 2007.

Feel free to call me at (802) 241-3840 if you have any questions.

Sincerely,

Corie L. Dunn  
Air Pollution Control Division

Enclosure



State of Vermont  
Agency of Natural Resources  
Department of Environmental Conservation  
Air Pollution Control Division  
Waterbury, Vermont



**AIR CONTAMINANT SOURCE REGISTRATION CERTIFICATE**

Facility : ENTERGY NUCLEAR NORTHEAST (VERMONT YANKEE)  
Location : VERNON VT 05354  
Facility ID : WM2335

This is to certify that ENTERGY NUCLEAR NORTHEAST (VERMONT YANKEE) has paid in full the registration fee required pursuant to sections 5-801 through 5-808 of the Air Pollution Control Regulations. This certificate authorizes operation of the above source for the period July 1, 2006 to June 30, 2007. Should the operation or responsibility for operation of a facility subject to registration be transferred, the registration will remain valid until June 30, 2007.

Jeffrey Wennberg, Commissioner  
Department of Environmental Conservation

By: *Richard A. Valentinetti*  
Richard A. Valentinetti, Director  
Air Pollution Control Division

Received

APR 4 2006

By *Lynn Dewald*